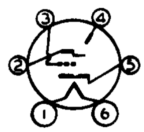
6AB5

6AB5/6N5

ELECTRON-RAY TUBE

INDICATOR TYPE WITH TRIODE UNIT

Heater■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Overall Length		3-13/16" to 4-3/16"
Maximum Seated Height		3-9/16" ←
Maximum Diameter		1-3/16" ←
Bulb		T-9 ←
Base		Small 6-Pin
Pin 1 - Heater		Pin 4 - Target
Pin 2 - Plate		Pin 5 - Cathode
Pin 3 - Grid		Pin 6 - Heater
Mounting Position	BOTTOM VIEW (6R)	Any



BOTTOM VIEW (6R)

MAXIMUM RATINGS and TYPICAL OPERATING CONDITIONS

Plate-Supply Voltage		180 max.	volts
Target Voltage		180 max.	volts
		100 min.	volts
Typical Operation:			
Plate and Target Supply	135	135	volts
Series Triode-Plate Resistor□	0.25	1.0	megohm
Target Current †Δ	2	1.9	ma.
Triode-Plate CurrentΔ	0.5	0.13	ma.
Triode-Grid Voltage (approx.)			
For shadow angle of 0°	-10	-15.5	volts ←
For shadow angle of 90°	0	0	volts

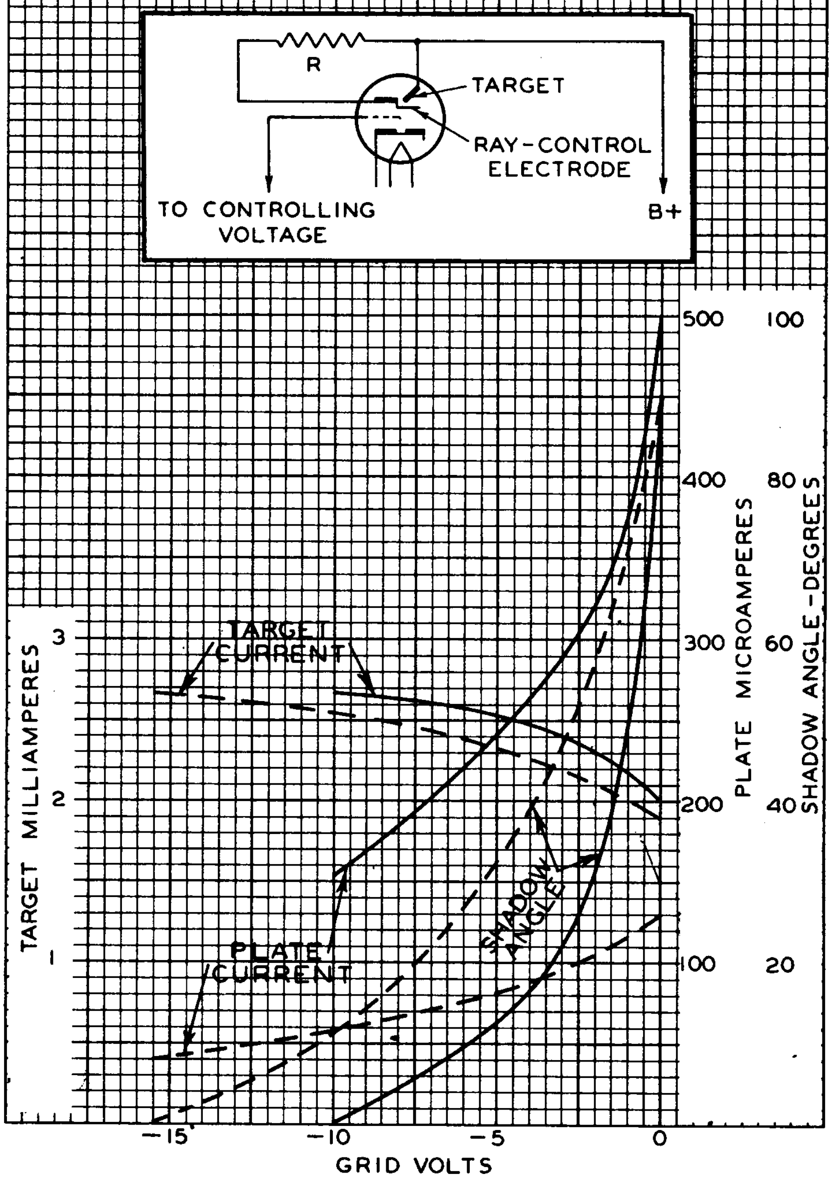
■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
□ Designated as R in circuit diagram under Type 6E5.
† Subject to wide variations.
Δ For triode-grid bias of 0 volts.
← Indicates a change.

6AB5

AVERAGE CONTROL CHARACTERISTICS

E_f = 6.3 VOLTS

CURVE	PLATE-SUPPLY VOLTS (B+)	SERIES PLATE RESISTOR (R) -MEG.
——— (solid)	135	0.25
— — — (dashed)	135	1.0



MAY 7, 1940

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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